1. Record Nr. UNISA996418212403316 Optical Network Design and Modeling [[electronic resource]]: 23rd IFIP **Titolo** WG 6.10 International Conference, ONDM 2019, Athens, Greece, May 13–16, 2019, Proceedings / / edited by Anna Tzanakaki, Manos Varvarigos, Raul Muñoz, Reza Nejabati, Noboru Yoshikane, Markos Anastasopoulos, Johann Marquez-Barja Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2020 3-030-38085-8 **ISBN** Edizione [1st ed. 2020.] Descrizione fisica 1 online resource (XVI, 661 p. 392 illus., 261 illus. in color.) Computer Communication Networks and Telecommunications;; 11616 Collana Disciplina 621.381045 Soggetti Computer communication systems Data structures (Computer science) Software engineering Computer Communication Networks Data Structures and Information Theory Software Engineering/Programming and Operating Systems Computer Hardware Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Sommario/riassunto This book constitutes the refereed proceedings of the 23rd International IFIP conference on Optical Network Design and Modeling, ONDM 2019, held in Athens, Greece, in May 2019. The 39 revised full papers were carefully reviewed and selected from 87 submissions. The papers focus on cutting-edge research in established areas of optical networking as well as their adoption in support of a wide variety of new services and applications. This involves the most recent trends in networking including 5G and beyond, big data and network data analytics, cloud/edge computing, autonomic networking, artificial intelligence assisted networks, secure and resilient networks, that drive

the need for increased capacity, efficiency, exibility and adaptability in

the functions that the network can perform. In this context new

disaggregated optical network architectures were discussed, exploiting and integrating novel multidimensional photonic technology solutions as well as adopting open hardware and software platforms relying on software defined networking (SDN), and network function virtualization (NFV) to allow support of new business models and opportunities.